	Attocher: 000354.1441 Page 1 013 E.Y449805873US Application No. Applicant(s):										
120	PE	ve ₁		09/870,463		Ċ	ATHERWO				
O		Information Disclosur	re Citation	Docket Number		Group Art Unit F		Filing Date	Filing Date		
2/2	116	in an Applicati	loa	068354.1441	068354.1441		183	June 1, 2001			
			-	U.S. PATENT DOCUMENTS							
	a TRA	DOCUMENT NO.	DATE	NAME	CI	LASS	SUBCLA	SS FILING	DATE		
£(.	A.	4779191	10/88	Greenblatt, Richard		711	2				
٤٤	B.	3886524	5/75	Appelt, Daren R.	1	710	110				
80	C.	3///140 11//3		Cottton et al.	<u> </u>	710	260				
Ц_	D.	4074353	2/78	Woods et al.	-	710	264				
Щ	E.	6412081	6/02	Koscal et al.	+	714	34				
$oxed{\bot}$	F. 5638524 6/10/97		Kiuchi et al.		712 2						
$oxed{oxed}$	G.	5936870	8/99	lm, Jin Hyeock	<u> </u>	708	552				
	H.	6377619	4/02	Denk et al.	:	708	322				
\perp	I.	5517436	5/96	Andreas et al.	1	708	524		<u> </u>		
EC.	J.	6564238	5/03	Kim et al.		708	513	<u>l</u>			
	FOREIGN PATENT DOCUMENTS										
		DOCUMENT NO.	DATE	COUNTRY	CI	ASS	SUBCLA	SS TRANSL	ATION NO		
٤(K.	0 855 643 A1	29-07-98	ЕР							
EC	L.	0 554 917 A2	11-08-93	ЕР		<u> </u>			•		
		<u> </u>									
	_			NON-PATENT DOCUMENTS							
		р	OCUMENT (I	ncluding Author, Title, Source, and Pert	loent Pag	ges)		DA*	TE		
		Moon B I et al.: "A 32	2-bit RISC Mic	roprocessor with DSP Functionality: etropics, Communications and Compu	Rapid Pr	rototyping	" IEICE				
	M.			Eng. Tokyo, JP, vol. E84-A no. 5, pag				Man	2001		
	ISSN: 0916-8508. May 2001										
	N.	<www.austinlibrary.co< td=""><td>m:2081/Delive</td><td>eryPrintSave.asp?tb=1&_uh=btn+Y+1</td><td>nd+B+E</td><td>E>, 9 pag</td><td>es.</td><td>Octobe</td><td>r 1998</td></www.austinlibrary.co<>	m:2081/Delive	eryPrintSave.asp?tb=1&_uh=btn+Y+1	nd+B+E	E>, 9 pag	es.	Octobe	r 1998		
ľ		Levy M: "Microproce Design News, Cahners	ssor and DSP 1 Publishing Co	Technologies Unite for Embedded Ap	plication urope. X	s" EDN 1 (P000779	Electrical 113 ISSN:				
	0.	0012-7515, printed fro pages.	m <www.reed-< td=""><td>electronics.com/ednmag/archives/199</td><td>8/03029</td><td>8/02<u>df</u>0</td><td>1.htm>, 9</td><td>2 Marc</td><td>h 1902</td></www.reed-<>	electronics.com/ednmag/archives/199	8/03029	8/02 <u>df</u> 0	1.htm>, 9	2 Marc	h 1902		
			·					Z ividici	1770		
EXA	MINER	0.1	0		DATE	CONSIDI	ERED	1.1	•		
		Ein 48				10	/17/	04			
EXA	MINER	: Initial if citation consider	ed, whether or no	ot citation is in conformance with MPEP § ication to the applicant.	609. Dra	w line thro	ugh citation i	f not in conformance	e and not		

HOU02:995290.1

USSN 09/870,463

Information Disclosure Statement

Attorney Docket: 068354.1441

Page 2 of 3

EY449865873US

РТО	PTO-1449			Application No. 09/870,463	A	pplicant(s): C	: Catherwo	OD et al.	et al.	
		Information Disclosure in an Application		Docket Number	- 1	Group A	rt Unit	Filing Date		
				068354.1441		2	183	June 1, 2	001	
				U.S. PATENT DOCUMENTS					·	
		DOCUMENT NO.	DATE	NAME	C	LASS	SUBCLAS	SS FILING	DATE	
£0	P.	5765216	6/98	Weng et al.		711	214			
1	Q.	4451885	5/84	Gerson et al.		708	200		•	
Ш	R.	6061783	5/00	Harriman, Ward	<u> </u>	712	224			
	S.	6523108	2/03	James et al.	+	712	224			
Ц	T.	5682339	10/28/97	Tam	7	og	209			
Ш	U.	5657484	8/12/97	Scarrá	7	12.	1220			
Ш	V.	5651121	7/22/97	Davies	71	2_	200			
\coprod	W.	4090250	5/78	Carlson et al.		712	234			
	X.	4025771	5/77	Lynch et al.		708	521		nam	
EC	Y.	4408274	10/93	Wheatley et al	<u> </u>	711	163			
				FOREIGN PATENT DOCUMEN	TS					
		DOCUMENT NO.	DATE	COUNTRY	C	LASS	SUBCLA	SS TRANSL	NO	
					 			1.00	"	
					 				<u> </u>	
							1		 	
					 		1			
\vdash					†		ļ			
_					1		†			
	t^-						1			
					†	-				
<u> </u>			<u> </u>	NON-PATENT DOCUMENTS						
		C	OCUMENT (I	ncluding Author, Title, Source, and Pert	tinent Pa	ges)		DA'	TE	
-		,			-					
EXA	MINER	wie ht	,		DATE	CONSID	ERED /	17/114	1	
				or citation is in conformance with MPEP §	609. Dr	aw line thr		f not in conformance	e and not	

Attorney	Docket:	068354.1	441

Page 3 of 3

EV449863873US

РТО	-1449			Application No. 09/870,463	Applicant(s)	DD et al.				
		Information Disclosur		Docket Number	Group A	art Unit	iling Date			
			···	068354.1441	. 2	183	June 1, 2001			
				U.S. PATENT DOCUMENTS		_				
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLAS	S FILING DATE			
EC	Z.	4379338	4/83	Nishitani et al.	708	552				
	AA	4841468	6/89	Miller et al.	708	625				
	BB	4926371	5/90	Vassilliadis et al.	708	628				
	cc	5121431	6/92	Wiener, Michael J.	713	174				
	DD	5422805	6/95	McIntyre et al.	708	625				
	EE	5740095	4/98	Parant, Phillippe	708	628				
e C	FF	6144980	11/00	Oberman, Stuart F.	708	627				
		·								
			·							
						<u></u>				
				FOREIGN PATENT DOCUMENT	75					
						S TRANSLATION YES NO				
			,							
			·	<u> </u>						
			·							
		,								
NON-PATENT DOCUMENTS										
		D	OCUMENT (lad	uding Author, Title, Source, and Perti	inent Pages)		DATE			
574										
EXA	MINER	Ein C	1		DATE CONSID	/ /	104			
EXA	EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not onsidered. Include conv. of this form with next communication to the applicant.									

Catherwood et al. Filing Date Group Art Unit Filing Date June 1, 2001	PTC	D-1449	9			Application No.	7	Applicant(s)			ra	gerore
In an Application SEP 1 0 2004 1068354.1441 2183 June 1, 2001												
DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE		Info			ion G	Docket Number		Group Art	Unit	Filing Da	te	
DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE			in an Applica	ation SEP	0 2004	D68354.1441		2183		June 1,	2001	
DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE	PATENT DOCUMENTS											
B. 3781810 12/25/73 Downing 340 172.5 4/26/72 C. 3886524 5/27/75 Appelt 710 110 10/18/73 D. 4025771 5/24/77 Lynch et al. 708 521 3/25/74 E. 4074353 2/14/78 Woods et al. 710 264 3/24/76 F. 4090250 5/16/78 Carlson et al. 712 234 9/30/76 G. 4323981 4/6/82 Nakamura 364 749 10/23/78 H. 4379338 4/5/83 Nishitani et al. 708 552 11/21/80 I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 10/15/81 FOREIGN PATENT DOCUMENTS TRANSLATION YES NO			DOCUMENT NO.			NAME		CLASS	SUB	CLASS	FILIN	G DATE
C. 3886524 5/27/75 Appell 710 110 10/18/73 D. 4025771 5/24/77 Lynch et al. 708 521 3/25/74 E. 4074353 2/14/78 Woods et al. 710 264 3/24/76 F. 4090250 5/16/78 Carlson et al. 712 234 9/30/76 G. 4323981 4/6/82 Nakamura 364 749 10/23/78 H. 4379338 4/5/83 Nishitani et al. 708 552 11/21/80 I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4409274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 I. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 748 2/22/82 I. N. 4488252 12/11/84 Vassar 364 748	EC	Α	3771146	11/6/73		Cottton et al.		710		260	1/2	22/73
D. 4025771 5/24/77 Lynch et al. 708 521 3/25/74 E. 4074353 2/14/78 Woods et al. 710 264 3/24/76 F. 4090250 5/16/78 Carlson et al. 712 234 9/30/76 G. 4323981 4/6/82 Nakamura 364 749 10/23/78 H. 4379338 4/5/83 Nishitani et al. 708 552 11/21/80 I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 O. 4511990 4/16/85 Hagiwara et al. 364 748 10	1	8.	3781810	12/25/73		Downing		340_	1	72.5	4/2	26/72
E. 4074353 2/14/78 Woods et al. 710 264 3/24/76 F. 4090250 5/16/78 Carlson et al. 712 234 9/30/76 G. 4323981 4/6/82 Nakamura 364 749 10/23/78 H. 4379338 4/5/83 Nishitani et al. 708 552 11/21/80 I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS TRANSLATION YES NO	\coprod	С	3886524	5/27/75		Appelt		710	1	110	10/	18/73
F. 4090250 5/16/78 Carlson et al. 712 234 9/30/76 G. 4323981 4/6/82 Nakamura 364 749 10/23/78 H. 4379338 4/5/83 Nishitani et al. 708 552 11/21/80 I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO	\Box	D.	4025771	5/24/77		Lynch et al.	ļ	708		521	3/2	25/74
G. 4323981 4/6/82 Nakamura 364 749 10/23/78 H. 4379338 4/5/83 Nishitani et al. 708 552 11/21/80 I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		Ε.	4074353	2/14/78		Woods et al.		710		264	3/2	24/76
H. 4379338 4/5/83 Nishitani et al. 708 552 11/21/80 I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 C. O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		F.	4090250	5/16/78		Carlson et al.	ļ.,	712	- 2	234	9/3	30/76
I. 4398244 8/9/83 Chu et al. 364 200 5/7/80 J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 CO. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS TRANSLATION YES DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES		G.	4323981	4/6/82		Nakamura	-	364	, ,	749	10/	23/78
J. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS TRANSLATION YES DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES		н.	4379338	4/5/83		Nishitani et al.		708		552	11/	21/80
K. 4451885 5/29/84 Gerson et al. 708 200 3/1/82 L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES	\coprod	Ι.	4398244	8/9/83		Chu et al.	ļ	364	200		5/	7/80
L. 4472788 9/18/84 Yamazaki 364 900 8/27/81 M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		J.	4408274	10/4/83		Wheatley et al	<u> </u>	364	2	200	9/2	29/80
M. 4481576 11/6/84 Bicknell 364 200 3/19/82 N. 4488252 12/11/84 Vassar 364 748 2/22/82 C O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		Κ.	4451885	5/29/84		Gerson et al.	ļ	708	2	200		1/82
N. 4488252 12/11/84 Vassar 364 748 2/22/82 CO. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		L.	4472788	9/18/84		Yamazaki	<u> </u>	364		900		27/81
O. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81	$\perp \perp$	М.	4481576	11/6/84		Bicknell	ļ	364	2	200	3/1	19/82
FOREIGN PATENT DOCUMENTS DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		N.	4488252	12/11/84		Vassar	ļ	364	7	748	2/2	22/82
DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO	CO. 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81								15/81			
SOUTH THE SAIL COUNTY CLASS YES NO					FORE	EIGN PATENT DOCUMENT	rs					
			DOCUMENT NO.	DATE		COUNTRY		CLASS	SUB	CLASS		
		Р.	01037424 A	2/1989		JP (w/abstract)	<u> </u>	нозм	00	1/82		×
C Q. 0 554 917 A2 8/11/93 EP G06F 9/26 X	EC	Q.	0 554 917 A2	8/11/93		EP	<u> </u>	G06F	. 9	/26	x	
R. 96/11443 4/18/96 WO G08F 15/78 X		R.	96/11443	4/18/06		wo	ļ	G00F	1:	5/78	×	
		S./	0 855 643 A1	07/29/98		EP	<u> </u>	G06F	9	/30	х	
EC T. 0 992 888 12/04/00 EP G06F 9/32 X		Т	0 992 888	12/04/00		EP		G06F	9			
CC U. 0 992 889 12/14/00 EP G06F 9/32 RECEIVED	€C	Ü.	0 992 889	12/14/00		EP		G06F	9	/32 F	BC	EIVED
NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages) SEP 1 5 2004			NON-PATENT	DOCUMENT	S - DOCUM	MENT (Including Author, T	itle, Sc	ource, and Pe	rtinent P	ages)	SEP 1	5 2004
Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on	****	v	Moon B I et al.: "A 32-b	it RISC Microp	rocessor w	vith DSP Functionality: Rap	id Prot	otyping" IEICE	Transact			
Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and ISCHIIIOIOGY CENTER 2 00 Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508 5/2001	•		Comm. Eng. Tokyo, JP,	vol. E84-A no	. 5, pages	na Computer Sciences, Inst 1339-1347, XP001060025 I	SSN: 0	916-8508	tormation	and IOCIII	5/2	2001
W. Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Messachusetts, IS, vol. 97, no. 10, pages 40, 48, 50-53, XP000860706 ISSN:0010-4566 10/1998	4	w.								ol.	10/	1998
Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News		X.	Levy M: "Microprocesso	or and DSP Te	chnologies	Unite for Embedded Applic	ations"	EDN Electric	al Design	News,	<u></u>	
X. Cahnere Publishing Co., Newtown Massachusetts, US, no. Europe, pages 79-74, 70, 78-80, XP000779113 ISSN: 0012-7515		/\-	Canners Publishing Co. 0012-7515	, Newtown Ma	998chusett	s, US, no. Europe, pages 75	3 -74, 7	0; 78-80, XP0	0779113	ISSN.	, 3/2	/1998
EXAMINER Qui all DATE CONSIDERED 10/17/04	EXAM	MINER	Eu; G	el			DAT	E CONSIDERI	(b /	17/1	54	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	EXAN	MINER:	Initial if citation considere	d, whether or no	ot citation is	in conformance with MPEP §	609. D	raw line throug	h citation i	f not in conf	formance	and not

Applicant(s) Application No. PTO-1449 Catherwood et al. 09/870,463 Information Disclosere Citation **Docket Number Group Art Unit** Filing Date in an Application 068354.1441 2183 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS SUBCLASS FILING DATE** 4556938 12/3/85 Parker et al 364 200 2/22/82 B 4626988 12/2/86 George 364 200 3/7/83 C. 4730248 3/8/88 Watanabe et al. 364 200 8/30/84 D. 4742479 5/3/88 Kloker et al. 364 746 3/25/85 E. 4768149 8/30/88 Konopik et al. 364 200 8/29/85 F. 4779191 10/18/88 Greenblatt 2 711 4/12/85 G. 4782457 11/1/88 Cline 364 715.04 8/18/86 H. 4800524 1/24/89 364 Roesgen 900 12/2/87 I. 4807172 2/21/89 Nukiyama 364 715.08 2/17/87 J. 4829420 5/9/89 Stahle 364 200 6/29/87 K. 4829460 5/9/89 Ito 364 715.08 10/14/87 L. 4839846 6/13/89 Hirose et al 364 748 3/12/86 М. 4841468 6/20/89 Miller et al. 708 625 3/20/87 N. 4872128 10/3/89 Shlmizu 364 715.08 2/17/88 0. 4882701 11/21/89 Ishii 364 900 9/23/88 Ρ. 4926371 5/15/90 Vassilliadis et al. 708 628 12/28/88 E C Q. 7/10/90 4941120 Brown et al. 364 748 4/17/89 **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NO. DATE COUNTRY CLASS **SUBCLASS** YES NO R. S. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages) Intel, Pentium Processor Family Developer's Manual, Volume 3: Architrecture and Programming Manual, Pages 3: 1, 3-2, 3-15, 14-1 to 14-30, 18-7, and 25-289 to 25-292 1995 Intel, Embedded Intel486 Processor Family Developer's Manual, pgs. 2-2, 3-17, 3-37, 4-5, 4-6, 10-1 to 10-12, to 12-10 10/1997 Moore, M "Z80 Family Interrupt Structure". Barleywood (online), retrieved from the internet URL: http://www.gaby.de/z80/1653.htm> 1997 Mailed W PCT Search Report based on PCT/US02/16706, 6 pages 9/27/02 Mailed PCT Search Report based on PCT/US02/16705, 7 pages **Technology Center 2100** Mailed PCT Search Report based on PCT/US02/16921, 4 pages 10/18/02 **EXAMINER DATE CONSIDERED** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

		OPE		4.				_	
DT	D-1449	. 1	<u> </u>	Application No.	Applicant(s)			Pa	age 3 of 9
PI	J- 1449	SEP 1 0 2004	<u> </u>	09/870,463	Catherwoo	d et al.			
	Infor	mation Disclos		Docket Number		Group Art Unit Filing Date			
		in an Applic	ation	068354.1441	2183		June 1	, 2001	
				U.S. PATENT DOCUMENT	s		-		
		DOCUMENT NO.	DATE	NAME	CLASS	SUB	CLASS	FILIN	NG DATE
EC	A.	4943940	7/24/90	New	364	7	48	9/	/27/84
	В.	4959776	9/25/90	Deerfield et al.	364	2	200		2/5/88
	C.	4977533	12/11/90	Miyabayashi et al.	364	7	26		/10/89
	D.	4984213	1/8/91	Abdoo et al	365	23	0.03		/21/89
	E.	5007020	4/9/91	Inskeep	364		100		6/7/90
	F.	5012441	4/30/91	Retter	364	9	100		/24/86
	G.	5032986	. 7/16/91	Pathak et al.	364	2	200	9/	/22/89
	Н.	5034887	7/23/91	Yasui et al.	364	2	200		/27/90
	I.	5038310	8/6/91	Akagiri et al.	364	71	5.04		/19/90
	J.	5040178	8/13/91	Lindsay et al.	371	2	1.5		/12/89
	K.	5056004	10/8/91	Ohde et al.	264		200	1	/14/88
	L.	5099445	3/24/92	Studor et al.	364	71	5.08	12	/26/89
\perp	М.	5101484	3/31/92	Kohn	395	3	75		/14/89
<u>. </u>	N.	5117498	5/26/92	Miller et al.	395	7	75	9/	/19/90
	О.	5121431	6/9/92	Wiener	713	1	74	7	//2/90
\perp	P.	5122981	6/16/92	Taniguchi	364	7	48	3/	23/89
	Q.	5155823	10/13/92	Tsue	395	4	00	4/	/17/89
\bot	R.	5177373	1/5/93	Nakamura	307	2	:65	9/	27/91
	S.	5197023	3/23/93	Nakayama	364	7	48	10	/31/91
	Т.	5197140	3/23/93	Balmer	395	4	00		/17/89
	U.	5206940	4/27/93	Murakami et al.	395	4	00	8/	27/91
\perp	V.	5212662	5/18/93	Cocanougher et al.	364	7	48	9/	11/90
\bot	W.	5239654	8/24/93	Ing-Simmons et al.	395	8	00	11	/17/89
E (X.	5276634	1/4/94	Suzuki et al.	364	7	48	8/	20/91
			ı	FOREIGN PATENT DOCUME	NTS				
•		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	CLASS	TRAN	SLATION
	Y.								
		NON-PATEN	T DOCUMENTS - DO	OCUMENT (Including Author,	, Title, Source, and Po	ertinent Pa	REC	EIV	'FD
	z.						SEP	1	
EXA	MINER	Q. 19			DATE CONSIDER	ED To			804
		71.1	'L		1 ///////	W 18	chnolog	/ Cente	it 2100

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO-1449 SEP 1 0 2004 Sep 1 0
Disclosure Citation Disclosure Citation Docket Number Group Art Unit Filing Date June 1, 2001
Docket Number Group Art Unit Filing Date June 1, 2001
U.S. PATENT DOCUMENTS DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE
DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE
R
B. 5327543 7/5/94 Miura et al. 395 375 4/23/90 C. 5327566 7/5/94 Forsyth 395 775 7/12/91 D. 5375080 12/20/94 Davies 364 736.5 12/18/92 E. 5379240 1/3/95 Byme 364 715.08 3/8/93 F. 5392435 2/21/95 Masul et al. 395 725 9/29/93 G. 5418976 5/23/95 Iida 395 800 12/21/92 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Fleming et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 395 800 5/18/04
B. 5327543 7/5/94 Miura et al. 395 375 4/23/90 C. 5327566 7/5/94 Forsyth 395 775 7/12/91 D. 5375080 12/20/94 Davies 364 736.5 12/18/92 E. 5379240 1/3/95 Byme 364 715.08 3/8/93 F. 5392435 2/21/95 Masul et al. 395 725 9/29/93 G. 5418976 5/23/95 Iida 395 800 12/21/92 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93
C. 5327566 7/5/94 Forsyth 395 775 7/12/91 D. 5375080 12/20/94 Davies 364 736.5 12/18/92 E. 5379240 1/3/95 Byme 364 715.08 3/8/93 F. 5392435 2/21/95 Masul et al. 395 725 9/29/93 G. 5418976 5/23/95 Iida 395 800 12/21/92 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93
D. 5375080 12/20/94 Davies 364 736.5 12/18/92 E. 5379240 1/3/95 Byme 364 715.08 3/8/93 F. 5392435 2/21/95 Masul et al. 395 725 9/29/93 G. 5418976 5/23/95 Ilida 395 800 12/21/92 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 . M. 5469377 11/21/95 Amano 364 748 8/18/93 . O. 5497340 3/5/96 Uramoto et al. 364 745
E. 5379240 1/3/95 Byme 364 715.08 3/8/93 F. 5392435 2/21/95 Masul et al. 395 725 9/29/93 G. 5418976 5/23/95 Iida 395 800 12/21/92 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 G. 5497340 3/5/96 Uramoto et al. 395 800 5/18/04
F. 5392435 2/21/95 Masul et al. 395 725 9/29/93 G. 5418976 5/23/95 Ilida 395 800 12/21/92 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 G. 5497340 3/5/96 Uramoto et al. 395 800 5/18/04
G. 5418976 5/23/95 lida 395 800 12/21/92 H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 395 800 5/18/04
H. 5422805 6/6/95 McIntyre et al. 708 625 10/21/92 I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 395 800 5/18/04
I. 5432943 7/11/95 Mitsuishi 395 725 4/19/93 J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 . M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 364 745 6/14/93 P. 5499380 3/12/96 Iwata et al. 395 800 5/18/04
J. 5448703 9/5/95 Amini et al. 395 290 5/28/93 K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 364 745 6/14/93 P. 5499380 3/12/96 Iwata et al. 395 800 5/18/04
K. 5448706 9/5/95 Fleming et al. 395 421.07 5/13/92 L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 364 745 6/14/93 P. 5499380 3/12/96 Iwata et al. 395 800 5/18/04
L. 5463749 10/31/95 Wertheizer et al. 395 437 1/13/93 M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 364 745 6/14/93 P. 5499380 3/12/96 iwata et al. 395 800 5/18/04
M. 5469377 11/21/95 Amano 364 748 8/18/93 N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 364 745 6/14/93 P. 5499380 3/12/96 Iwata et al. 395 800 5/18/04
N. 5471600 11/28/95 Nakamoto 395 405 2/22/95 O. 5497340 3/5/96 Uramoto et al. 364 745 6/14/93 P. 5499380 3/12/96 Iwata et al. 395 800 5/18/04
O. 5497340 3/5/96 Uramoto et al. 364 745 6/14/93 P. 5499380 3/12/96 Iwata et al. 395 800 5/18/04
P. 5499380 3/12/96 Iwata et al. 395 800 5/18/04
5499380 3/12/96 Iwata et al. 395 800 5/18/04
5504916
R 32033
551/436 5/14/96 Andreas et al. 364 736 6/7/94
5525674 6/11/96 Mailarapu et al. 318 254 1/30/95
T. 5548544 8/20/96 Matheny et al. 364 745 10/14/94
U. 5561619 10/1/96 Watanabe et al. 364 736.5 9/20/94
V. 5564028 10/8/96 Swoboda et al. 395 375 1/11/94
W. 5568380 10/22/96 Broadnax et al. 364 184 8/30/93
FOREIGN PATENT DOCUMENTS
DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO
x. RECEIVED
NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
Y. SEP 1 5 2004
z. Technology Center 2100
EXAMINER O DATE CONSIDEREDY
EXAMINER DATE CONSIDEREDY 10/17/04
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

		OIPE	2				rage 5 of
PT	D-1449	SEP 1 0 200	63	Application No.	Applicant(s)		
				09/870,463	Catherwood	d et al.	
	Info	rmation Disclos in an Applic	e Citation	Docket Number	Group Art	Unit Filing Da	te
	,	in an Applica	ation	068354.1441	2183	June 1,	, 2001
		 · · · · · · · · · · · · · · · · ·		U.S. PATENT DOCUMENTS	s		
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
C	A.	5568412	10/22/96	Han et al.	364	748	11/29/94
	B.	5596760	1/21/97	Ueda	395	588	12/9/92
	C.	5600813	2/4/97	Nakagawa et al.	395	421.07	2/9/93
	D.	5611061	3/11/97	Yasuda	395	591	11/24/93
	E.	5619711	4/8/97	Anderson	395	800	6/29/94
	F.	5638524	6/10/97	Kiuchi et al.	395	375	5/17/95
_	G.	5642516	6/24/97	Hedayat et al.	395	733	
	Н.	5649146	7/15/97	Riou	395	421.07	3/20/05
	1.						3/30/95
_	J.	5651121	7/22/97	Davies	395	376	12/18/92
_	К.	5657484	8/12/97	Scarrá	395	561	12/27/94
	L.	5659700	8/19/97	Chen et al.	395	421.07	2/14/95
_	M.	5682339	10/28/97	Tam	364	715.08	5/26/95
		5689693	11/18/97	White	395	565	4/26/94
_	N.	5694350	12/2/97	Wolrich et al.	364	788	6/30/95
_	О.	5696711	12/9/97	Makineni	364	748.03	12/22/95
	P.	5706460	1/6/98	Craig et al.	395	380	3/19/91
	Q.	5706466	1/6/98	Dockser	395	452	1/13/95
_	R.	5715470	2/3/98	Asano et al.	395	. 800	9/27/93
_	S.	5737570	4/7/98	Koch	395	872	4/28/97
	Т.	5740095	4/14/98	Parant	364	760	7/12/95
	U.	5740419	4/14/98	Potter	395	588	7/22/96
	V.	5740451	4/14/98	Muraki et al.	395	733	10/28/96
1	W.	5748516	5/5/98	Goddard et al.	364	748.03	9/26/95
	•			DREIGN PATENT DOCUME		`	
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIO
	X.	·		Haller Hurt. N		# #	COFINE
	Y.					SI	P 1 5 2004
		NON-PATEN	T DOCUMENTS - DO	CUMENT (Including Author,	Title, Source, and Pe	ertinent Pageshno	logy Center 21
	Z.						
ĆΑ	MINER	En la			DATE CONSIDER	ED/17/04	
			ed, whether or not citation	n is in conformance with MPEP	§ 609. Draw line throug	th citation if not in con	formance and not

Page 6 of 9 PTO-1449 SP 1 0 2004 2 2 2 2 2 2 2 2 2									
Information Disclosure Citation in Application Docket Number Group Art Unit Filing Date Docket Number 068354.1441 2183 June 1, 2001									
Information Disclosuse Citation in Application Docket Number Qfoup Art Unit 2183 June 1, 2001									
U.S. PATENT DOCUMENTS U.S. PATENT DOCUMENTS DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE									
DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE									
A.									
B. 5764555 6/9/98 McPherson et al. 364 748.03 3/13/96 C. 5765216 6/9/98 Weng et al. 711 214 6/17/96 D. 5765218 6/9/98 Ozawa et al. 711 219 3/10/95 E. 5774711 6/30/98 Henry et al. 395 591 7/26/96 F. 5778416 7/7/98 Harrison et al. 711 5 4/3/97 G. 5790443 8/4/98 Shen et al. 364 748.01 3/19/96 H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5828875 10/27/98 Halvarsson et al. 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5887726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 C. 5875342 2/23/99 Burchfiel et al. 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 384 748.07 1/13/97 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
C. 5765216 6/9/98 Weng et al. 711 214 6/17/96 D. 5765218 6/9/98 Ozawa et al. 711 219 3/10/95 E. 5774711 6/30/98 Henry et al. 395 591 7/26/96 F. 5778416 7/7/98 Harrison et al. 711 5 4/3/97 G. 5790443 8/4/98 Shen et al. 364 748 3/19/96 H. 5808926 9/15/98 Gorshtein et al. 364 748.03 10/10/95 J. 5812868 9/22/98 Hansen 364 748.03 10/10/95 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 K. 5826072 10/20/98 Knapp et al. 395 800.23 9/16/96 N. 5828875 10/27/98 Halvarson et al. 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarson et al. 395 800.24 5/19/95 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 586726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880699 4/6/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892699 4/6/99 Duncan et al. 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
D. 5765218 6998 Weng et al. 711 214 6/17/96 D. 5765218 6/9/98 Ozawa et al. 711 219 3/10/95 E. 5774711 6/30/98 Henry et al. 395 591 7/26/96 F. 5778416 7/7/98 Harrison et al. 711 5 4/3/97 G. 5790443 8/4/98 Shen et al. 364 748 3/19/96 H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.02 12/19/95 T. 5892699 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Brakefield 364 748.02 12/19/95									
E. 576218 6998 Ozawa et al. 711 219 3/1095 E. 5774711 6/30/98 Henry et al. 395 591 7/26/96 F. 5778416 7/7/98 Harrison et al. 711 5 4/3/97 G. 5790443 8/4/98 Shen et al. 364 746 3/19/96 H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 I. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 748.02 12/19/95									
F. 5774/11 6/30/98 Harrison et al. 395 591 7/26/98 F. 5778416 7/7/98 Harrison et al. 711 5 4/3/97 G. 5790443 8/4/98 Shen et al. 364 748 3/19/96 H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
F. 5778416 7/7/98 Harrison et al. 711 5 4/3/97 G. 5790443 8/4/98 Shen et al. 364 748 3/19/96 H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10									
H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
I. 5812439 9/22/98 Hansen 364 748.03 10/10/95 J. 5812868 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.02 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 <td< td=""></td<>									
K. 581268 9/22/98 Moyer et al. 395 800.23 9/16/96 K. 5825730 10/20/98 Nishida et al. 369 44.32 3/8/96 L. 5826072 10/20/98 Knapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/									
L. 5826072 10/20/98 Knapp et al. 369 44.32 3/8/96 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97 U. 10/20/98 Nishida et al. 369 44.32 3/8/96 Alice Alice									
M. 5826072 10/20/98 Rnapp et al. 395 567 11/13/95 M. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Duncan et al. 364 760.4 9/16/97									
N. 5826096 10/20/98 Baxter 395 800.24 5/19/95 N. 5828875 10/27/98 Halvarsson et al. 395 588 5/29/97 O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
O. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
P. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 5867726 2/2/99 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
Q. 5867726 27299 Ohsuga et al. 395 800.32 4/10/96 Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
R. 5880984 3/9/99 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 T. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
T. 5892699 4/6/99 Brakeheld 364 748.02 12/19/95 U. 5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
5892699 4/6/99 Duncan et al. 364 760.4 9/16/97									
U. 5804428 4/12/00 Homdo 204									
5894428 4/13/99 Harada 364 724.03 7/28/97									
V. 5900683 5/4/99 Rinehart et al. 307 126 12/23/97									
EC W. 5909385 6/1/99 Nishiyama et al. 364 760.03 4/1/97									
FOREIGN PATENT DOCUMENTS									
DOCUMENT NO. DATE COUNTRY CLASS SUBCLASS TRANSLATION									
x CS VED									
Y. SEP 1 5 2004									
NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages) Center 2100									
Z.									
EXAMINER Q A D DATE CONSIDERED									
DATE CONSIDERED 10/17/11									
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not									

PTO-144	.9	SFP 1 0 mg 2	Application No.	Applicant(s)		Page 7 of
	{	ן אַן 10 ביין אין 10 ביין	09/870,463	Catherwood	l et al.	
Info	rmation Discles in an Applic	ure Citation	Docket Number	Group Art l	Group Art Unit Filing Dat	
	in an Applis	ation	068354.1441	068354.1441 2183		
			U.S. PATENT DOCUMENTS	3		
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<u>C</u> . A.	5917741	6/29/99	Ng	364	748.03	8/29/96
В.	5918252	6/29/99	Chen et al.	711	217	11/25/96
C.	5930159	7/27/99	Wong	364	745.01	10/17/96
D.	5930503	7/27/99	Drees	395	651	12/29/95
Ε.	5936870	8/10/99	lm, Jin Hyeock	364	745.03	8/15/97
F.	5937199	8/10/99	Temple	395	335	6/3/97
G.	5938759	8/17/99	Kamijo	712	209	12/19/97
Н.	5941940	8/24/99	Prasad et al.	708	523	6/30/97
l.	5943249	8/24/99	Handlogten	364	748.02	4/25/97
J.	5944816	8/31/99	Dutton et al.	712	215	5/17/96
К.	5951627	9/14/99	Kiamilev et al.	708	404	11/14/96
L.	5951679	9/14/99	Anderson, et al.	712	241	10/31/97
М.	5978825	11/2/99	Divine et al.	708	525	11/14/97
N.	5983333	11/9/99	Kolagotia et al.	711	219	8/27/97
О.	5991787	11/23/99	Abel et al.	708	400	12/31/97
P.	5991868	11/23/99	Kamiyama et al.	712	32	5/19/94
Q.	5996067	11/30/99	White	712	224	10/28/97
R.	6009454	12/28/99	Dummermuth	709	108	11/10/97
S.	6014723	1/11/00	Tremblay et al.	711	1	1/23/97
Т .	6018757	1/25/00	Wong	708	525	·
U.	6026489	2/15/00	Wachi et al.	712	241	8/8/96 4/26/95
v.	6044392	3/28/00	Anderson et al.			
& W.	604434	3/28/00	Oliver	708	551	8/4/97
<u>~~1</u>	0044434		FOREIGN PATENT DOCUMEN		110	9/24/97
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIO
X.					F3.	FCEIVEL
Υ.					SE	P 1 5 2004
	1		OCUMENT (Including Author,			[1 3 2004

EXAMINER Qui CL DATE CONSIDERED / 10/17/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Page 8 of 9 Application No. Applicant(s) PTO-1449 SEP 1 0 2004 Catherwood et al. 09/870,463 Information Disclosure Citation **Docket Number Group Art Unit** Filing Date in an Application. 068354.1441 2183 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME CLASS SUBCLASS **FILING DATE** A. EC 6049858 4/11/00 Kolagotia et al. 711 217 8/27/97 В. 6058409 5/2/00 Kozaki et al. 708 409 8/5/97 C. 6058410 5/2/00 Sharangpani 708 551 12/2/96 D. 6058464 5/2/00 Taylor 711 217 7/9/96 E. 6061711 5/9/00 Song et al. 709 108 8/19/96 F. 6061780 5/9/00 Shippy et al. 712 204 1/23/98 G. 5/9/00 6061783 Harriman 712 224 11/13/96 H. 6076154 6/13/00 Van Eijndhoven et al 712 24 1/16/98 I. 6084880 7/4/00 Bailey et al. 370 395 6/30/97 J. 6101521 8/8/00 Kosiec 708 550 3/25/98 K. 6101599 8/8/00 Wright et al. 712 228 6/29/98 L. 6115732 9/5/00 Oberman et al. 708 625 5/8/98 M. 10/3/00 6128728 Dowling 712 228 12/12/97 N. 6134574 10/17/00 Oberman et al. 708 551 5/8/98 0. 6144980 11/7/00 Oberman 708 627 1/28/98 P. 6145049 11/7/00 Wong 710 12/29/97 267 Q. 6181151 1/30/01 Wasson 765 324 10/28/98 R. 6205467 3/20/01 Lambrecht et al. 709 108 11/14/95 * S. 6209086 3/27/01 Chi et al. 712 244 11/10/98 T. 6243786 6/5/01 Huang et al. 710 262 12/23/98 U. 6243804 6/5/01 Cheng 712 228 7/22/98 V. 6260162 7/10/01 Typaldos et al. 714 55 10/31/98 W. 6292866 9/18/01 Zaiki et al. 710 264 3/30/99 **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NO. DATE COUNTRY **CLASS** SUBCLASS X. Y. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Page Section 2) Z. **EXAMINER** DATE CONSIDERED.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not

U.S. Patent and Trademark Office

considered. Include copy of this form with next communication to the applicant.

			OIPE	<u> </u>		·	Page 9 of 9
PΊ	ΓΟ-144	9	SEP 1 0 2004	Application No.	Applicant(s)	,	
	l-f-			09/870,463	Catherwood		
	Information Disclosure Citation		Docket Number	Group Art	Unit Filing D	ate	
			ator	068354.1441	2183	June 1	1, 2001
	<u>,</u>			U.S. PATENT DOCUMENTS) 	,	
	<u> </u>	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
٤0	A.	6295574	9/25/01	MacDonald	710	261	1/20/00
1	B.	6315200	11/13/01	Silverbrook et al.	235	454	7/10/98
1	C.	6356970	3/12/02	Killian et al.	710	269	5/28/99
1	D.	6377619	4/23/02	Denk et al.	375	232	9/26/97
1	E.	6397318	5/28/02	Peh	711	220	4/2/98
┸	F.	6412081	6/25/02	Koscal et al.	714	34	1/15/99
	G.	6487654	11/26/02	Dowling	712	244	12/12/01
1	Н.,	2002/0194466	12/19/02	Catherwood et al.	712	241	6/1/01
	ı.	6523108	2/18/03	James et al.	712	224	11/23/99
1	J.	6564238	5/13/03	Kim et al.	708	513	2/2/00
	К.	2003/0093656	5/15/03	Masse et al.	712	241	10/1/99
	L.	6633970	10/14/03	Clift et al.	712	217	12/28/99
	M.	6658578	12/2/03	Laurenti et al.	713	324	10/1/99
_ [N.	6681280	1/20/04	Miyake et al.	710	261	10/4/00
	О.	6763478	7/13/04	Vinh X. Bui	713	600	10/24/00
1	P.	6751742	6/15/04	Duhault et al.	713	323	8/31/99
	Q.	6202163	3/13/01	Gabzdyi et al.	713	324	3/10/98
	R.	5815693	9/29/98	McDermott et al.	713	501	12/15/95
1	S.	5778237	7/7/98	Yamamoto et al.	713	322	12/14/95
<u>) (</u>	, T.	4615005	9/30/86	Maejima et al.	713	601	7/20/84
	U.						
	V.						
	W.			•			
	, .			FOREIGN PATENT DOCUMEN	TS		
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	X.						- TIVED
_	Y.					Tool	FP 1 5 2004
		NON-PATENT	F DOCUMENTS -	DOCUMENT (Including Author,	Title, Source, and Per	tinent Pages)	ology Center 210
_	Z.						
X	AMINER	Q_{i}	0 0		DATE CONSIDERE	9/	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. Patent and Trademark Office